				Complete if Known		
Sul	ostitute for form 1449/PT0	)		Application Number	10/514,429	
11	NFORMATIC	N DI	SCLOSURE	Filing Date	July 12, 2005	
	TATEMENT			First Named Inventor	Robert DWILINSKI	
<u> </u>	HILIVILINI	טויס	A' I LIOANI	Art Unit	2881	
	(Use as many	sheets as	necessary)	Examiner Name	M. J. Logie	
Sheet	1	of	3	Attorney Docket Number	204552033800	

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1.	US-5,306,662-A	04-26-1994	Nakamura et al.		
	2.	US-6,177,292-B1	01-23-2001	Hong et al.		
	3.	US-6,248,607-B1	06-19-2001	Tsutsui		
	4.	US-6,355,497-B1	03-12-2002	Romano et al.		
	5.	US-6,475,277-B1	11-05-2002	Hirota et al.		
	6.	US-2002/0192507-A1	12-19-2002	Dwilinski et al.		
	7.	US-6,627,552-B1	09-30-2003	Nishio et al.		
	8.	US-6,639,925-B2	10-28-2003	Niwa et al.		
	9.	US-6,653,663-B2	11-25-2003	Ishida		
	10.	US-6,686,608-B1	02-03-2004	Takahira		
	11.	US-6,693,935-B2	02-17-2004	Tojo et al.		
	12.	US-2004/0089221-A1	05-13-2004	Dwilinski et al.		
	13.	US-6,749,819-B2	06-15-2004	Otsuka et al.		
	14.	US-2004/0238810-A1	12-02-2004	Dwilinski et al.		
	15.	US-2004/0251471-A1	12-16-2004	Dwilinski et al.		
	16.	US-2004/0261692-A1	12-30-2004	Dwilinski et al.		
	17. l	US-2005/0087124-A1	04-28-2005	Dwilinski et al.		
	18.	US-2005/0249255-A1	11-10-2005	Dwilinski et al.		
	19.	US-2006/0054075-A1	03-16-2006	Dwilinski et al.		
	20.	US-2006/0054076-A1	03-16-2006	Dwilinski et al.		
	21.	US-2006/0057749-A1	03-16-2006	Dwilinski et al.		
	22.	US-2006/0124051-A1	06-15-2006	Yoshioka et al.		
	23.	US-2006/0138431-A1	06-29-2006	Dwilinski et al.		
	24.	US-7,132,730-B2	11-07-2006	Dwilinski et al.		
	25.	US-7,252,712-B1	08-07-2007	Dwilinski et al.		
	26.	US-7,314,517-B2	01-01-2008	Dwilinski et al.		
	27.	US-7,335,262-B2	02-26-2008	Dwilinski et al.		
	28.	US-2008/0050855-A1	02-28-2008	Dwilinski et al.		
	29.	US-7,364,619-B2	04-29-2008	Dwilinski et al.		
	30.	US-2008/0108162-A1	05-08-2008	Dwilinski et al.		
	31.	US-7,374,615-B2	05-20-2008	Dwilinski et al.		
	32.	US-7,387,677-B2	06-17-2008	Dwilinski et al.		
	33.	US-2008/0156254-A1	07-03-2008	Dwilinski et al.	<u> </u>	
	34.	US-7,420,261-B2	09-02-2008	Dwilinski et al.		
	35.	US-7,422,633-B2	09-09-2008	Dwilinski et al.		

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code³-Number⁴-Kind Code⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>	
	36.	JP-5-183189	07-23-1993	Nichia Kagako Kogyo KK	Translation of abstract		
	37.	WO-94/28204	12-08-1994	Technalum Research, Inc.			
	38.	WO-97/13891	04-17-1997	Centrum Badan Wysokocisnieniowych			

Complete if Known Substitute for form 1449/PTO 10/514,429 Application Number July 12, 2005 Filing Date INFORMATION DISCLOSURE Robert DWILINSKI First Named Inventor STATEMENT BY APPLICANT Art Unit 2881 (Use as many sheets as necessary) M. J. Logie Examiner Name 204552033800 3 Attorney Docket Number Sheet 2

39.	JP-9-508093	08-19-1997		Corresponds to WO-94/28204 listed above	
40.	JP-2001-077038	03-23-2001	Sumitomo Electric Industries	Translation of abstract and corresponds to US-6,475,277 listed above	
 41.	EP-1 164 210-A2	12-19-2001	Sharp Kabushiki Kaisha		
42.	JP-2002-026442	01-25-2002	Sony Corp.	Translation of abstract	
 43.	PL-347918	12-16-2002	AMMONO Sp. z o.o.; NICHIA CORPORATION		
 44.	WO-02/101124-A1	12-19-2002	Nichia Corporation	Translation of abstract	
45.	WO-03/035945	05-01-2003	Am-Mono SP. ZO.O.; Nichia Corp.		
46.	PL-350375	05-05-2003	AMMONO Sp. z o.o.; NICHIA CORPORATION		
 47.	EP-1 405 936-A1	04-07-2004	Ammono SP. Zo.o		
48.	WO-2004/090202-A1	10-21-2004	Mitsubishi Chemical Corporation; Tokyo Denpa Co., Ltd.	Translation of abstract	
49.	EP-1 616 981-A1	01-18-2006	Tokyo Denpa Co., Ltd.; Mitsubishi Chemical Corporation		

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>8</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examine r Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
	50.	Supplementary European Search Report, dated September 23, 2008, European Patent Application No.02788783.5; 3 pages			
	51.	Chinese Office Action, dated July 18, 2008, directed to Chinese Patent Application No. 200580040008.X; 25 pages	✓		
	52.	Japanese Notification of Reason(s) for Refusal, mailed December 16, 2008, directed to Japanese Patent Application No. 2004-505416; 7 pages	✓		
	53.	Japanese Notification of Reason(s) for Refusal, mailed January 6, 2009, directed to Japanese Patent Application No. 2004-506101; 7 pages	✓		
	54.	International Search Report, mailed May 7, 2004, directed to International Patent Application No. PCT/JP03/15906; 3 pages			
	55.	International Search Report, mailed September 29, 2005, directed to International Patent Application No. PCT/JP2005/011091; 3 pages			
	56.	International Search Report, mailed April 21, 2006, directed to International Patent Application No. PCT/JP2005/022396; 3 pages			

Complete if Known Substitute for form 1449/PTO 10/514,429 Application Number July 12, 2005 Filing Date **INFORMATION DISCLOSURE** First Named Inventor Robert DWILINSKI STATEMENT BY APPLICANT 2881 Art Unit (Use as many sheets as necessary) M. J. Logie Examiner Name 204552033800 3 3 Attorney Docket Number Sheet

57.	10/538,654; 10 pages	
58.	pages	
59.	of Crystal Growth.247:275-279	
60.	Beaumont, B. et al. (2001)."Epitaxial Lateral Overgrowth of GaN."Phys. Stat. Sol.(b).227(1);1-43	
61.	g Liu, L. et al. (2002). "Substrates for Gallium Nitride Epitaxy." Reports: A Review Journal, Materials Science and Engineering:37:61-127	
62.	Yano, M. et al. (2000). "Growth of Nitride Crystals, BN, A1N and GaN by Using a Na Flux"  Diamond and Related Materials. 9:512-515	
63.	of Physics Appl. Phys. Lett. 69:1749-1751	
64.	the second secon	
65.	Porowski, S. et al. (1993). "Prospects for High-Pressure Crystals Growth of III-V Nitrides." Inst. Phys. Conf. Ser. 13(4):369-372	
66.	the state of the s	
67.	Solution Growth Method." Journal of Crystal Growth.229:35-40	
68.	The state of the s	

Examiner	
Signature	Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.